

III. REMARKS

1. Claims 1-14 remain in the application.
2. Applicants respectfully submit that claims 1-14 are patentable over Ramsey. (US 2002/016800) under 35 USC 103(a).

Ramsey fails to disclose or suggest an analyzer which analyzes said network properties of said device under test by comparing or referencing the output signals of said device under test and said reference signals, as recited by claim 1.

Ramsey also fails to disclose or suggest analyzing said network properties of said device under test by comparing or referencing said output signals of said device under test and said reference signals, as recited by claim 8.

Ramsey does not perform an analysis by comparing or referencing the output signals of the device under test and the reference signals.

Referring to Figure 1 of the present application, analyzer 150 receives output signals from the device under test 20 through receiving device 120 and also receives reference signals from the modulated reference-signal generator 140. The analyzer 150 uses, for example, a finite impulse response (FIR) filter 211 to analyze the network properties of the device under test by comparing or referencing the output signals of the device under test and the reference signals. Thus, modulated signals output from the device under test and modulated reference signals are compared for analysis.

Referring to Figure 3 of Ramsey, a carrier wave modulated with an information signal is provided to a tuner 54 which tunes to a particular frequency band. A demodulator 56 recovers the information signal 42 which may be distorted or corrupted. Ramsey uses an adaptive equalizer 44 to determine a transfer function that compensates for the distortion or corruption of the information signal. Thus, Ramsey analyses, and calculates compensation for, an information signal. Modulated output signals from the device under test are never compared or referenced to modulated reference signals as defined by the present claims.

The present claims compare output signals from a device under test with reference signals derived from demodulating the output signals from the device under test and then generating modulated signals based on the demodulated output signals. Thus, the network properties

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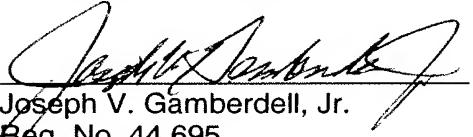
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of the device under test are determined by comparing two modulated signals. In contrast, Ramsey demodulates an information signal and then uses an equalizer to determine a transfer function for the demodulated information signal.

For all of the foregoing reasons, it is respectfully submitted that all of the claims now present in the application are clearly novel and patentable over the prior art of record, and are in proper form for allowance. Accordingly, favorable reconsideration and allowance is respectfully requested. Should any unresolved issues remain, the Examiner is invited to call Applicants' attorney at the telephone number indicated below.

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 50-1078.

Respectfully submitted,


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10 November 2008
Date

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